



STATE OF IDAHO
DEPARTMENT OF
ENVIRONMENTAL QUALITY

1410 North Hilton • Boise, Idaho 83706-1255 • (208) 373-0502

Dirk Kempthorne, Governor
C. Stephen Allred, Director

November 18, 2002

Certified Mail No. 7099 3220 0009 1975 6827

Samuel B. Greene, P.E.
Corporate Air Quality Engineer
Sinclair Oil Corp.
P.O. Box 30825
Salt Lake City, UT 84130-2700

RE: AIRS Facility No. 001-00112, Sinclair Oil Corp. - Boise Products Terminal, Boise
Final Tier II Operating Permit and Permit to Construct

Dear Mr. Greene:

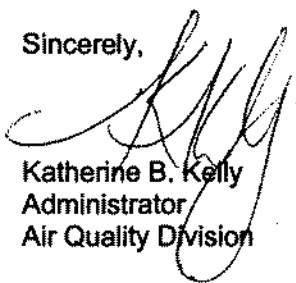
The Department of Environmental Quality (Department) is issuing Tier II Operating Permit and Permit to Construct No. 001-00112 for the Sinclair Oil Corp. facility in Boise, in accordance with IDAPA 58.01.01.400 - 470 and 58.01.01.200 - 228, respectively.

The enclosed permit is effective immediately and is based on the information contained in your permit application and all relevant comments received during the public comment period.

Mike McGown of the Boise Regional Office will contact you regarding a meeting to discuss the permit terms and requirements. We recommend the following representatives attend the meeting: your facility's plant manager, responsible official, environmental contact, and any operations staff responsible for day-to-day compliance with permit conditions.

You, as well as any other entity, may have the right to appeal this final agency action within 35 days of the date of this decision pursuant to IDAPA 58.01.23. However, prior to filing a petition for a contested case, I encourage you to call Mike Simon at (208) 373-0502 to address any questions or concerns you may have with the enclosed permit.

Sincerely,


Katherine B. Kelly
Administrator
Air Quality Division

Enclosure

KK/MS/sm T2-010017 G:\Air Quality\Stationary Source\SS Ltd\T2\Sinclair Boise\Final Prep\T2-010017 Final permit ltr.doc

CC: Laurie Kral, EPA Region 10
Mike McGown, Boise Regional Office

T2-010017



**Air Quality
TIER II OPERATING PERMIT
and
PERMIT TO CONSTRUCT**

State of Idaho
Department of Environmental Quality

PERMIT NO.: 001-00112

AQCR: 064

CLASS: SM

SIC: 5171

ZONE: 11

UTM COORDINATE (km): 463.0 , 8630.0

1. PERMITTEE

Sinclair Oil Corp. - Boise Terminal

2. PROJECT

Boise Terminal - Tier II Synthetic Minor Operating Permit Renewal and Permit to Construct

3. MAILING ADDRESS

P.O. Box 30825

CITY

Salt Lake City

STATE

UT

ZIP

84130

4. FACILITY CONTACT

Sam Greene

TITLE

Corporate Air Quality Engineer

TELEPHONE

801-524-2729

5. RESPONSIBLE OFFICIAL

Mark Petersen

TITLE

Manager of Pipelines and
Terminals

TELEPHONE

801-524-2852

6. EXACT PLANT LOCATION

712 N. Curtis Road, Boise, ID

COUNTY

Ada

7. GENERAL NATURE OF BUSINESS & KINDS OF PRODUCTS

Bulk Gasoline and Distillate Fuel Oil Distribution

8. PERMIT AUTHORITY

This permit to construct and Tier II operating permit is issued according to the *Rules for the Control of Air Pollution in Idaho*, IDAPA 58.01.01.200-228 and IDAPA 58.01.01.400-470, respectively. This permit pertains only to emissions of air contaminants regulated by the state of Idaho and to the sources specifically allowed to be operated by this permit. Only the terms and conditions pertaining to Tier II operating permit requirements are subject to the expiration date of this permit.

This permit is not transferable to another person, place, or piece or set of equipment and will expire if construction has not begun within two years of its issue date or if construction is suspended for one year.

This permit has been granted on the basis of design information presented in the application and the Idaho Department of Environmental Quality's technical analysis of the supplied information. Changes in design or equipment that result in any change in the nature or amount of emissions may be considered a modification. Modifications are subject to Department review in accordance with IDAPA 58.01.01.200.


KATHERINE B. KELLY, ADMINISTRATOR, AIR QUALITY DIVISION
DEPARTMENT OF ENVIRONMENTAL QUALITY

DATE ISSUED: November 18, 2002

DATE EXPIRES: November 18, 2007

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LIST OF ACRONYMS

AQCR	Air Quality Control Region
ASTM	American Society of Testing and Materials
CFR	Code of Federal Regulations
Department	Department of Environmental Quality
EPA	United States Environmental Protection Agency
HAPs	Hazardous Air Pollutants
IDAPA	Idaho Administrative Procedures Act
km	kilometer
lb/hr	pound per hour
LEL	lower explosive limit
O&M	operations and maintenance
PTC	permit to construct
PVC	polyvinyl chloride
SIC	Standard Industrial Classification
SIP	State Implementation Plan
SVE	soil vapor extraction
T/yr	tons per year
UTM	Universal Transverse Mercator
VOC	volatile organic compound

AIR QUALITY TIER II OPERATING PERMIT AND PERMIT TO CONSTRUCT No. 001-00112

Permittee: Sinclair Oil Corp.
Location: Boise, Idaho

Date Issued: November 18, 2002
Date Expires: November 18, 2007

1. PERMIT SCOPE

Purpose

- 1.1 This permit establishes facility-wide requirements to limit emissions from the facility to below Title V permitting thresholds. This permit is a renewal of the Sinclair Oil Corp. Tier II permit, issued August 23, 1996, and a permit to construct, which incorporates previously issued permits to construct for the facility.
- 1.2 This permit incorporates the following permits:
- Tier II Operating Permit No. 001-00112, issued, August 23, 1996
 - Permit to Construct No. 001-00112, issued, July 7, 1999
 - Permit to Construct No. 001-00112, issued, September 21, 1998
- 1.3 **Permit Term**
- Tier II operating permits are issued for a period not to exceed five years. The permittee shall submit a timely application for renewal of this permit.

AIR QUALITY TIER II OPERATING PERMIT AND PERMIT TO CONSTRUCT No. 001-00112

Permittee: Sinclair Oil Corp.
Location: Boise, Idaho

Date Issued: November 18, 2002
Date Expires: November 18, 2007

Regulated Sources

1.4 Table 1.1 below lists all sources of emissions that are regulated in this permit.

Table 1.1 EMISSION SOURCES

Permit Sections	Source Descriptions	Emissions Control(s)
3	Tanks 401, 404, 411, and 421: <ul style="list-style-type: none">• Floating roof• Store gasoline or distillate fuel oil• 840,000-gallon capacity each	None
3	Tank 431: <ul style="list-style-type: none">• Floating roof• Stores gasoline or distillate fuel oil• 3,336,000-gallon capacity	None
3	Tanks 402, 405, and 406: <ul style="list-style-type: none">• Fixed roof• Store distillate fuel oil• 840,000-gallon capacity each	None
3	Tank 400 (Transmix tank): <ul style="list-style-type: none">• Fixed roof• Stores gasoline• 3,808-gallon capacity	None
3	Prover tank: <ul style="list-style-type: none">• Fixed roof• Stores gasoline or distillate fuel oil• 734-gallon capacity	None
4	Distillate fuel oil loading: <ul style="list-style-type: none">• Overhead loading• Submerged fill• Annual throughput of 570,276,000 gallons	None
4	Gasoline loading: <ul style="list-style-type: none">• Overhead loading• Submerged fill• Annual throughput of 0.0 gallons	None
5	Soil vapor extraction system	Thermal oxidizer

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Permittee: Sinclair Oil Corp.
Location: Boise, Idaho

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2. FACILITY-WIDE CONDITIONS

Fugitive Emissions

- 2.1 All reasonable precautions shall be taken to prevent particulate matter from becoming airborne in accordance with IDAPA 58.01.01.650-651. In determining what is reasonable, considerations will be given to factors such as the proximity of dust-emitting operations to human habitations and activities and atmospheric conditions that might affect the movement of particulate matter. Some of the reasonable precautions include, but are not limited to, the following:
- Use, where practical, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads, or the clearing of lands.
 - Application, where practical, of asphalt, oil, water or suitable chemicals to, or covering of dirt roads, material stockpiles, and other surfaces which can create dust.
 - Installation and use, where practical, of hoods, fans and fabric filters or equivalent systems to enclose and vent the handling of dusty materials. Adequate containment methods should be employed during sandblasting or other operations.
 - Covering, where practical, of open-bodied trucks transporting materials likely to give rise to airborne dusts.
 - Paving of roadways and their maintenance in a clean condition, where practical.
 - Prompt removal of earth or other stored material from streets, where practical.
- [IDAPA 58.01.01.650-651, 5/1/94]
- 2.2 The permittee shall monitor and maintain records of the frequency and the method(s) used (i.e., water, chemical dust suppressants, etc.) to reasonably control fugitive emissions.
- [IDAPA 58.01.01.405.01, 5/1/94]
- 2.3 The permittee shall maintain records of all fugitive dust complaints received. The permittee shall take appropriate corrective action as expeditiously as practicable after receipt of a valid complaint. The records shall include, at a minimum, the date each complaint was received and a description of the following: the complaint, the permittee's assessment of the validity of the complaint, any corrective action taken, and the date the corrective action was taken.
- [IDAPA 58.01.01.405.01, 5/1/94]
- 2.4 The permittee shall conduct a quarterly facility-wide inspection of potential sources of fugitive emissions, during daylight hours and under normal operating conditions, to ensure that the methods used to reasonably control fugitive emissions are effective. If fugitive emissions are not being reasonably controlled, the permittee shall take corrective action as expeditiously as practicable. The permittee shall maintain records of the results of each weekly fugitive emission inspection. The records shall include, at a minimum, the date of each inspection and a description of the following: the permittee's assessment of the conditions existing at the time fugitive emissions were present (if observed), any corrective action taken in response to the fugitive emissions, and the date the corrective action was taken.
- [IDAPA 58.01.01.405.01, 5/1/94]

AIR QUALITY TIER II OPERATING PERMIT AND PERMIT TO CONSTRUCT No. 001-00112

Permittee: Sinclair Oil Corp.
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Date Expires: November 18, 2007

Odors

- 2.5 No person shall allow, suffer, cause, or permit the emission of odorous gases, liquids, or solids to the atmosphere in such quantities as to cause air pollution.
[IDAPA 58.01.01.775-776, 5/1/94]
- 2.6 The permittee shall maintain records of all odor complaints received. If the complaint has merit, the permittee shall take appropriate corrective action as expeditiously as practicable. The records shall include, at a minimum, the date each complaint was received and a description of the following: the complaint, the permittee's assessment of the validity of the complaint, any corrective action taken, and the date the corrective action was taken.
[IDAPA 58.01.01.405.01 (State-only), 5/1/94]

Visible Emissions

- 2.7 No person shall discharge any air pollutant to the atmosphere from any point of emission for a period or periods aggregating more than three minutes in any 60-minute period which is greater than 20% opacity as determined by procedures contained in IDAPA 58.01.01.625. These provisions shall not apply when the presence of uncombined water, nitrogen oxides, and/or chlorine gas are the only reason(s) for the failure of the emission to comply with the requirements of this section.
[IDAPA 58.01.01.625, 5/1/94]
- 2.8 The permittee shall conduct a quarterly facility-wide inspection of potential sources of visible emissions during daylight hours and under normal operating conditions. The visible emissions inspection shall consist of a see/no see evaluation for each potential source. If any visible emissions are present from any point of emission, the permittee shall either take appropriate corrective action as expeditiously as practicable, or perform a Method 9 opacity test in accordance with the procedures outlined in IDAPA 58.01.01.625. The permittee shall maintain records of the results of each monthly visible emission inspection and each opacity test when conducted. The records shall include, at a minimum, the date and results of each inspection and test and a description of the following: the permittee's assessment of the conditions existing at the time visible emissions are present (if observed), any corrective action taken in response to the visible emissions, and the date corrective action was taken.
[IDAPA 58.01.01.625, 4/5/00]

Excess Emissions

- 2.9 The permittee shall comply with the procedures and requirements of IDAPA 58.01.01.130-136 for excess emissions due to startup, shutdown, scheduled maintenance, safety measures, upsets, and breakdowns.
[IDAPA 58.01.01.130, 4/5/00]

Reports and Certifications

- 2.10 Any reporting required by this permit, including, but not limited to, records, monitoring data, supporting information, requests for confidential treatment, testing reports, or compliance certifications, shall contain a certification by a responsible official. The certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document(s) are true, accurate, and complete. Any reporting required by this permit shall be submitted to the following:

AIR QUALITY TIER II OPERATING PERMIT AND PERMIT TO CONSTRUCT No. 001-00112

Permittee: Sinclair Oil Corp.
Location: Boise, Idaho

Date Issued: November 18, 2002
Date Expires: November 18, 2007

Air Quality Permit Compliance
Department of Environmental Quality
Boise Regional Office
1445 N. Orchard
Boise, ID 83706-2239
Phone: (208) 373-0550 Fax: (208) 373-0287

[IDAPA 58.01.01.405.01, 5/1/94]

Monitoring and Recordkeeping

- 2.11 The permittee shall maintain sufficient recordkeeping to assure compliance with all of the terms and conditions of this operating permit. Records of monitoring information shall include, but not be limited to, the following: (a) the date, place, and times of sampling or measurements; (b) the date analyses were performed; (c) the company or entity that performed the analyses; (d) the analytical techniques or methods used; (e) the results of such analyses; and (f) the operating conditions existing at the time of sampling or measurement. All monitoring records and support information shall be retained for a period of at least five years from the date of the monitoring sample, measurement, report, or application. Supporting information includes, but is not limited to, all calibration and maintenance records and copies of all reports required by this permit. All records required to be maintained by this permit shall be made available in either hard copy or electronic format to Department representatives upon request.

[IDAPA 58.01.01.405.01, 5/1/94]

Open Burning

- 2.12 The permittee shall comply with the requirements of IDAPA 58.01.01.600-616, *Rules for Control of Open Burning*.

[IDAPA 58.01.01.600-616, 5/1/94]

Test Methods

- 2.13 If testing is required, the permittee shall use the test methods described in Table 2.1 to measure the pollutant emissions.

Table 2.1 TEST METHODS

Pollutants	Test Method	Special Conditions
VOC	EPA Method 25*	
Opacity	EPA Method 9*	If an NSPS source, IDAPA 58.01.01.625 and Method 9; otherwise, IDAPA 58.01.01.625 only.

*Or Department-approved alternative in accordance with IDAPA 58.01.01.15

Performance Tests

- 2.14 If testing is required, the permittee shall provide notice of intent to test to the Department at least 15 days prior to the scheduled test or shorter time period as provided in a permit, order, consent decree, or by Department approval. The Department may, at its option, have an observer present at any emissions tests conducted on a source. The Department requests such testing not be performed on weekends or state holidays.

AIR QUALITY TIER II OPERATING PERMIT AND PERMIT TO CONSTRUCT No. 001-00112

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All testing shall be conducted in accordance with the procedures in IDAPA 58.01.01.157. Without prior Department approval, any alternative testing is conducted solely at the permittee's risk. If the permittee fails to obtain prior written approval by the Department for any testing deviations, the Department may determine that the testing does not satisfy the testing requirements. Therefore, prior to conducting any compliance test, the permittee is strongly encouraged to submit in writing to the Department, at least 30 days in advance, the following for approval:

- The type of method to be used
- Any extenuating or unusual circumstances regarding the proposed test
- The proposed schedule for conducting and reporting the test

Within 30 days following the date on which a compliance test required by this permit is concluded, the permittee shall submit to the Department a report for the respective test. The compliance test report shall include a description of the process, identification of the method used, equipment used; all process operating data collected during the test period, and test results as well as raw test data and associated documentation, including any approved test protocol.

The proposed test date(s), test date rescheduling notice(s), compliance test report, and all other correspondence shall be sent to the following:

Air Quality Permit Compliance
Department of Environmental Quality
Boise Regional Office
1445 N. Orchard
Boise, ID 83706-2239
Phone: (208) 373-0550

Fax: (208) 373-0287

[IDAPA 58.01.01.157, 4/5/00; IDAPA 58.01.01.405.02, 5/1/94]

Sulfur Content

2.15 No person shall sell, distribute, use, or make available for use any distillate fuel oil containing more than the following percentages of sulfur:

- ASTM Grade 1 fuel oil - 0.3% by weight.
- ASTM Grade 2 fuel oil - 0.5% by weight.
- Residual fuel oil (STSM grade 4, 5, and 6) – 1.75% by weight.

[IDAPA 58.01.01.727-728, 5/1/94]

2.16 The permittee shall establish compliance with the limits specified on Permit Condition 2.15 by fulfilling the requirements of either Permit Condition 2.16.1 or 2.16.2. The permittee shall, contemporaneously with making a change from one option to another, record the change in a log located and retained at the facility.

2.16.1 The permittee shall determine the sulfur content of each shipment of distillate fuel received by the facility. The reference test method for measuring fuel sulfur content shall be ASTM method D129-95 Standard Test for Sulfur in Petroleum Products (General Bomb Method), or such comparable and equivalent method approved in accordance with IDAPA 58.01.01.157.02.d. Test methods and procedures shall comply with IDAPA 58.01.01.157. The results of each test performed shall be recorded in a log. The supporting analysis information shall also be kept on site.

AIR QUALITY TIER II OPERATING PERMIT AND PERMIT TO CONSTRUCT No. 001-00112

Permittee: Sinclair Oil Corp.
Location: Boise, Idaho

Date Issued: November 18, 2002
Date Expires: November 18, 2007

- 2.16.2 The permittee shall obtain documentation of the sulfur content analysis of each shipment of distillate fuel from the refinery that produced the fuel. The documentation shall clearly state the sulfur content in weight percent of sulfur present in the fuel sample and shall reference the method of analysis used to determine the sulfur content in the fuel oil.

[IDAPA 58.01.01.405.01, 5/1/94]

AIR QUALITY TIER II OPERATING PERMIT AND PERMIT TO CONSTRUCT No. 001-00112

Permittee: Sinclair Oil Corp.
Location: Boise, Idaho

Date Issued: November 18, 2002
Date Expires: November 18, 2007

3. PETROLEUM PRODUCT STORAGE TANKS AND OTHER ASSOCIATED TANKS

3.1 Process Description

Petroleum product storage consists of 10 aboveground tanks of various capacities, throughputs, and design. The fuel media consists of gasoline and distillate fuel oil. The maximum potential emission from any one of these tanks occurs when the fuels are loaded, stored, and unloaded at their defined maximum throughputs.

Emissions Limits

3.2 Emissions Limits

The VOC and HAP emissions of the storage and associated tanks shall not exceed the ton-per-year (T/yr) values listed in Appendix A on a consecutive 12-month rolling basis.

[IDAPA 58.01.01.403.01, 5/1/94]

Operating Requirements

3.3 Throughput Limits

- The throughput of petroleum products to the storage and associated tanks shall not exceed the throughput quantities specified in Appendix B of this permit on a consecutive 12-month rolling basis.
- The type of product stored in each tank shall be as specified in Appendix B.

[IDAPA 58.01.01.405.01, 5/1/94]

Monitoring and Recordkeeping Requirements

3.4 Throughput Monitoring

The permittee shall continuously monitor and record, in U.S. gallons, the throughput of each petroleum product storage tank listed in Appendix B on a monthly basis and a consecutive 12-month rolling basis.

[IDAPA 58.01.01.405.01, 5/1/94]

3.5 Product Monitoring

The permittee shall monitor and record, in U.S. gallons, the throughput and quantity of petroleum product stored in each tank listed in Appendix B. This information is to be compiled on a monthly basis to establish compliance with the consecutive 12-month rolling average throughput limitation. Monitoring and recordkeeping of product type and throughput shall constitute demonstration of compliance with the applicable annual VOC and HAP emission limits

[IDAPA 58.01.01.405.01, 5/1/94]

3.6 Operations and Maintenance Manual Requirements

An O&M manual shall be developed within 60 days of issuance of this permit and shall comply with General Provision 8. The O&M manual shall address the operation, maintenance, and repair of each petroleum product storage tank listed in Appendix B. The O&M manual shall be updated and shall include the most recent general description of the equipment; normal operating conditions and procedures; startup, shutdown, and maintenance procedures; upset conditions guidelines; and corrective action procedures.

[IDAPA 58.01.01.405.01, 5/1/94]

AIR QUALITY TIER II OPERATING PERMIT AND PERMIT TO CONSTRUCT No. 001-00112

Permittee: Sinclair Oil Corp.
Location: Boise, Idaho

Date Issued: November 18, 2002
Date Expires: November 18, 2007

4. GASOLINE AND DISTILLATE FUEL LOADING RACKS

4.1 Process Description

Displaced vapors from carriers are discharged to the atmosphere through the loading hatches in the top of the tank as a result of dispensing product at the two-bay loading-rack system. The maximum potential emissions from the loading-rack system occur when distillate grade petroleum products are dispensed at the defined maximum throughput. Gasoline petroleum products shall not be dispensed through the loading-rack system.

Emissions Limits

- 4.2** The VOC and HAP emissions at the loading racks shall not exceed the ton-per-year (T/yr) values listed in Appendix A on a 12-month rolling average basis.

[IDAPA 58.01.01.403.01, 5/1/94]

Operating Requirements

4.3 Loading Rack Product Type

- The permittee shall not dispense gasoline petroleum product through any loading rack at the facility.
- The maximum allowable loading-rack throughput for distillate fuel oil petroleum product shall not exceed the U.S. gallons-per-year values listed in Appendix B on a 12-month rolling average basis.

[IDAPA 58.01.01.405.01, 5/1/94]

Monitoring and Recordkeeping Requirements

4.4 Throughput Monitoring

The permittee shall monitor and record the quantity of distillate fuel oil petroleum product distributed by the loading-rack system in units of U.S. gallons. This information is to be compiled on a monthly basis to establish compliance with the 12-month rolling summation throughput limitation. Monitoring and recordkeeping of product type and throughput shall constitute demonstration of compliance with the applicable annual VOC and HAP emission limits.

[IDAPA 58.01.01.405.01, 5/1/94]

4.5 Operations and Maintenance Manual Requirements

An O&M manual shall be developed within 60 days after issuance of this permit and shall comply with General Provision 8. The O&M manual shall address the operation, maintenance, and repair of the gasoline and distillate loading racks in Appendix B. The O&M manual shall be updated and shall include the most recent general description of the equipment; normal operating conditions and procedures; startup, shutdown, and maintenance procedures; upset conditions guidelines; and corrective action procedures.

[IDAPA 58.01.01.405.01, 5/1/94]

AIR QUALITY TIER II OPERATING PERMIT AND PERMIT TO CONSTRUCT No. 001-00112

Permittee: Sinclair Oil Corp.
Location: Boise, Idaho

Date Issued: November 18, 2002
Date Expires: November 18, 2007

5. SOIL VAPOR EXTRACTION SYSTEM

5.1 Process Description

The SVE system is used to remediate subsurface water contaminated with petroleum hydrocarbons. Subsurface PVC piping connects the extraction points to the equipment where they are manifolded into a single line. A regenerative blower is utilized to withdraw the vapors from the soil into the SVE stack. This SVE was originally permitted under PTC No. 001-00112 on July 7, 1999. The applicable conditions of the PTC have been incorporated into this Tier II permit.

5.2 Control Description

The VOC and HAP emissions from the SVE system are controlled by a thermal oxidizer prior to discharge to the atmosphere.

Emissions Limits

5.3 Emissions Limits

- The VOC and HAP emissions from the SVE stack shall not exceed the ton per year values listed in Appendix A on a 12-month rolling average basis.

[IDAPA 58.01.01.403.01, 5/1/94]

- Benzene emissions from the SVE stack shall not exceed an emission rate of 0.17 lb/hr on a monthly basis.

[PTC No. 001-00112, 7/7/99]

Operating Requirements

5.4 Thermal Oxidizer Operation

The thermal oxidizer shall be operated at a temperature of 1400°F or higher.

[PTC No. 001-00112, 7/7/99]

5.5 Thermal Oxidizer, Standby Operation

The thermal oxidizer does not need to be present on site when the amount of benzene entering the SVE is less than or equal to 0.17 lb/hr on a monthly basis. The SVE shall not be operated after a measured benzene exceedance. Within 24 hours of a measured benzene exceedance, the thermal oxidizer shall be re-installed and placed in operation.

[IDAPA 58.01.01.405.01, 5/1/94, & PTC No. 001-00112, 7/7/99]

5.6 Lower Explosive Limit Source Test

The permittee shall use a LEL sensor to source test for the emission rate of VOCs from the SVE stack.

[IDAPA 58.01.01.405.01, 5/1/94]

AIR QUALITY TIER II OPERATING PERMIT AND PERMIT TO CONSTRUCT No. 001-00112

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Location: Boise, Idaho

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Monitoring and Recordkeeping Requirements

5.7 Low-Temperature Shutoff

The thermal oxidizer low-temperature shutoff shall be at least 1400°F and documented in the O&M manual.
[PTC No. 001-00112, 7/7/99]

5.8 Monitor Operating Parameters

5.8.1 To demonstrate compliance with the VOC emissions limit and the LEL source test the permittee shall test the SVE stack emissions for VOC emissions once per month using the LEL sensor system. The SVE VOC emission rate from the LEL test shall be recorded in tons per month. The initial test shall be conducted within 30 days after the issuance of this permit. During the initial LEL test, the permittee shall conduct a Method 18 test on the SVE stack concurrently with the LEL test. The VOC emission rate from the Method 18 test shall be compared to the VOC emission rate from the initial LEL test to confirm the accuracy of the LEL method. If the initial LEL source test VOC emission rate is greater than the Method 18 VOC emission rate, the permittee shall immediately provide the Department with an alternative method of complying with Permit Conditions 5.3.1 and 5.6 for the remainder of the permit term.

5.8.2 To demonstrate compliance with the HAP emissions limit, the benzene emission limit, and the thermal oxidizer standby requirement, the permittee shall obtain the mass fractions of Benzene, Hexane, Xylene-o, Xylene-m, Xylene-p, Toluene, Ethylbenzene, Naphthalene, Trimethylpentane (2,2,4), and Cumene in the SVE exhaust stream from the Method 18 test conducted in Permit Condition 5.8.1. The mass fraction of each of these compounds shall be multiplied by the monthly VOC emission rate determined in Permit Condition 5.8.1 to determine, on a monthly basis, the individual HAP emissions rate from the SVE. The individual HAP emission rates shall be summed together to obtain the aggregated HAP emission rate from the SVE. The monthly aggregated HAP emission rate from the SVE shall be recorded in tons per month and tons per year on a 12-month rolling average basis..

[IDAPA 58.01.01.405.01, 5/1/94]

5.8.3 When in operation, the operating temperature of the thermal oxidizer shall be monitored and recorded once per month.

[IDAPA 58.01.01.405.01, 5/1/94]

5.9 LEL Operating Requirements

The LEL sensor shall be operated, calibrated, and maintained in accordance with manufacturer specifications. The LEL sensor shall be calibrated in accordance with manufacturers specifications prior to each monthly test.

[IDAPA 58.01.01.405.01, 5/1/94]

5.10 Operations and Maintenance Manual Requirements

Within 60 days of issuance of this permit, the permittee shall update the O&M manual for the thermal oxidizer originally required to be developed in the PTC. The O&M manual shall address the operation, maintenance, calibration, and repair of the SVE, thermal oxidizer, and LEL sensor. The O&M manual shall be updated and shall include the most recent general description of the equipment; normal operating conditions and procedures; startup, shutdown, and maintenance procedures; upset conditions guidelines; and corrective action procedures. The SVE and thermal oxidizer shall comply with General Provision 8 and the manufacturer air pollution control device specifications.

[IDAPA 58.01.01.405.01, 5/1/94; PTC No. 001-00112, 7/7/99]

AIR QUALITY TIER II OPERATING PERMIT AND PERMIT TO CONSTRUCT No. 001-00112

Permittee: Sinclair Oil Corp.
Location: Boise, Idaho

Date Issued: November 18, 2002
Date Expires: November 18, 2007

6. APPENDIX A – EMISSION LIMITS

Sinclair Oil Corp. - Boise

Emission Limits^{a,b} - Annual (T/yr)

Source Description	VOCs	Aggregated HAPS
	(T/yr)	(T/yr)
1. Tank 401	12.96	0.382
2. Tank 404	12.96	0.382
3. Tank 411	12.96	0.382
4. Tank 421	12.96	0.382
5. Tank 431	13.88	0.396
6. Tank 402	0.47	0.015
7. Tank 405	0.47	0.015
8. Tank 406	0.47	0.015
9. Tank 400 (Transmix tank)	0.28	0.008
10. Prover tank	0.28	0.008
11. LOADING RACK: Gasoline service	0.0	0.0
11. LOADING RACK: Distillate fuel oil service	4.61	0.149
12. Fugitive emissions	0.92	0.149
13. Soil Vapor Extraction system	25.88	0.71
TOTAL	99.1	3.0

^a As determined by a pollutant specific EPA reference method, or Department-approved alternative, or as determined by the Department's emission estimation methods in this permit application.

^b Allowable throughput is to be determined on a 12-month rolling basis with compliance and recordkeeping data compiled on a monthly basis.

AIR QUALITY TIER II OPERATING PERMIT AND PERMIT TO CONSTRUCT No. 001-00112

Permittee: Sinclair Oil Corp.
Location: Boise, Idaho

Date Issued: November 18, 2002
Date Expires: November 18, 2007

7. APPENDIX B – THROUGHPUT LIMITS

Sinclair Oil Corp. - Boise

Allowable Petroleum Product Throughputs and Product Types

Source Description	Throughput* (U.S. gallons/year)	Product Type
1. Tank 401	58,254,000	Gasoline or distillate fuel oil
2. Tank 404	58,254,000	Gasoline or distillate fuel oil
3. Tank 411	58,254,000	Gasoline or distillate fuel oil
4. Tank 421	58,254,000	Gasoline or distillate fuel oil
5. Tank 431	58,254,000	Gasoline or distillate fuel oil
6. Tank 402	168,630,000	Distillate fuel oil
7. Tank 405	168,630,000	Distillate fuel oil
8. Tank 406	168,630,000	Distillate fuel oil
9. Tank 400 (Transmix tank)	38,080	Gasoline and distillate "stop oil"
10. Prover tank	220,200	Gasoline or distillate fuel oil
11. LOADING RACK: Gasoline service	0.0	None
11. LOADING RACK: Distillate fuel oil service	570,276,000	Distillate fuel oil

* Allowable throughput is to be determined on a 12-month rolling basis with compliance and recordkeeping data compiled on a monthly basis.

AIR QUALITY TIER II OPERATING PERMIT AND PERMIT TO CONSTRUCT No. 001-00112

Permittee: Sinclair Oil Corp.
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8. GENERAL PROVISIONS

1. All emissions authorized herein shall be consistent with the terms and conditions of this permit. The emission of any pollutant in excess of the limitations specified herein, or noncompliance with any other condition or limitation contained in this permit, shall constitute a violation of this permit and the *Rules for the Control of Air Pollution in Idaho*, and the Environmental Protection and Health Act, Idaho Code §39-101 et seq.
2. The permittee shall at all times (except as provided in the *Rules for the Control of Air Pollution in Idaho*) maintain and operate in good working order all treatment or control facilities or systems installed or used to achieve compliance with the terms and conditions of this permit and other applicable laws for the control of air pollution.
3. The permittee shall allow the Director, and/or his authorized representative(s), upon the presentation of credentials:
 - To enter upon the permittee's premises where an emissions source is located, or in which any records are required to be kept under the terms and conditions of this permit; and
 - At reasonable times, to have access to and copy any records required to be kept under the terms and conditions of this permit, to inspect any monitoring methods required in this permit, and to require stack emissions testing (i.e., performance tests) in conformance with state-approved or accepted EPA procedures when deemed appropriate by the Director.
4. Except for data determined to be confidential under Section 9-342A *Idaho Code*, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the appropriate regional office of the Department of Environmental Quality.
5. Nothing in this permit is intended to relieve or exempt the permittee from compliance with any applicable federal, state, or local law or regulation, except as specifically provided herein.
6. In the event of any change in control or ownership of source(s) from which the authorized emissions emanate, the permittee shall notify the succeeding owner or controller of the existence of this permit by letter; a copy of which shall be forwarded to the Director.
7. This permit shall be renewable on the expiration date, provided the permittee submits any and all information necessary for the Director to determine the amount and type of air pollutants emitted from the equipment for which this permit is granted. Failure to submit such information within 60 days after receipt of the Director's request shall cause the permit to be voided.
8. The Director may require the permittee to develop a list of operation and maintenance procedures to be approved by the Department. Such list of procedures shall become a part of this permit by reference, and the permittee shall adhere to all of the operation and maintenance procedures contained therein.
9. The provisions of this permit are severable, and if any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.